

Claims

This listing represents the current status of the claims in the application:

Listing of Claims:

1. (currently amended): An installation for the cataphoretic dip coating of articles, the installation comprising
 - a) a dip tank, which is partially filled with a coating liquid, into which the articles can be immersed;
 - b) a coating voltage source, to the negative terminal of which the immersed articles can be connected and the positive terminal of which is connected with at least one anode immersed in the coating liquid present in the dip tank;
 - c) an electrodialysis apparatus, which is arranged outside the dip tank and by means of which the acid formed during the coating operation can be removed from the coating liquid, such that the acid content in the coating liquid remains within an admissible range, wherein
 - d) the anode has a cross-sectional profile which, in at least one portion, is adapted as a curved surface to the outline of the articles to be treated in such a manner that the anode follows the outline of said articles in approximately parallel manner, and further wherein the anode has a U-shaped profile with two lateral portions and a lower portion, which joins the lateral portions together, wherein at least one of the lateral portions and/or the lower portion of the anode has a curved surface.
2. (canceled)

3. (previously presented): The installation according to claim 1, wherein the lateral portions of the anode are concavely curved when viewed from the articles.
4. (previously presented): The installation according to claim 1, wherein at least in its upper part, the anode consists of sheet metal.
5. (previously presented): The installation according to claim 1, wherein at least in its lower part, the anode consists of a material permeable to the coating liquid.
6. (previously presented): The installation according to claim 5, wherein the material permeable to the coating liquid is formed from a wire mesh or screen netting, a grating or a plurality of mutually spaced rods.
7. (previously presented): The installation according to claim 1, the anode consists at least in part of iridium-coated titanium.
8. (previously presented): The installation according to claim 1, wherein the articles include a vehicle body.